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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

HOSSAIN, TANIM M

ART UNIT PAPER NUMBER

2145

DATE MAILED: 01/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/039,088

Applicant(s)

DIBIASIO ET AL.

Examiner

Tanim Hossain

Art Unit

2145

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 20-77 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 20-77 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 20-77 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jappila (RSVP – Nokia Telecommunications) in view of Primak (U.S. 6,598,077).

As per claim 20, Jappila teaches in a computer network having a plurality of entities interconnected by a plurality of intermediate network devices having one or more resources for use in forwarding network traffic corresponding to sessions, a method for sharing resources reserved for a first data flow with a second data flow, the method comprising the steps of: receiving a first resource reservation message associated with the first data flow (section 1.2, paragraphs 1-3); reserving resources for use with the first data flow (page 1, column 2, paragraph 4); receiving a second resource reservation message associated with the second data flow (page 1, column 2, paragraph 5). Jappila does not specifically teach the assignment of session IDs onto the respective data flows and the sharing of resources if the session IDs match with either the second session ID or a third. Primak teaches in response to a request to reserve resources for a first session associated with a session group identifier, the resource reservation engine determines whether the session group ID of the first session matches the session group ID of one or more second sessions for which resources have previously been reserved, and if so, directs the

traffic scheduler to share the resources reserved for the one or more second sessions with the first session (column 3, lines 2-5; 15-30; column 8, lines 24-47; where the resources are shared between session because requests with the same session ID are routed to the same server.). It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teaching of Primak into the system of Jappila, because they are both from the same field of endeavor, namely the efficient routing of resources for network sessions. The motivation for combining the teachings lies in the fact that Primak's teaching adds further efficiency to Jappila's invention the event that session IDs are the same for multiple sessions.

As per claim 22, Jappila-Primak teaches the method of claim 21, wherein the session group ID is stored in a data structure (Primak: column 3, lines 2-5; 15-30).

As per claim 23, Jappila-Primak teaches the method of claim 22, but does not specifically teach the data structure being a table. It would have been obvious to one of ordinary skill in the art at the time of the invention to include a table as the data structure in use by Jappila-Primak, as it is highly well known to one of ordinary skill in the art that a table may be used to hold values and function as a data structure. The motivation for doing so lies in the fact that the table would be an efficient way to hold session ID values and keep track of them.

As per claim 24, Jappila-Primak teaches the method of claim 20, wherein the session group identifier associated with a given data flow includes a source address of an entity sourcing the traffic flow and a resource identifier (Jappila: page 4).

As per claim 25, Jappila-Primak teaches the method in claim 24, wherein the first resource reservation message is a Path message in accordance with the RSVP specification

standard that has been configured to carry the session group ID (Jappila: section 1.2, paragraph 3).

As per claim 26, Jappila-Primak teaches the method in claim 25, wherein the resource ID is disposed in a resource ID object of the RSVP Path message (Jappila: section 1.2, paragraph 5).

As per claim 27, Jappila-Primak teaches the method of claim 20, wherein the second resource reservation message is a Resv message in accordance with the RSVP specification standard corresponding to the second data flow (Jappila: section 1.2, paragraph 3).

Claims 28-35, 37, and 38 are rejected on the same bases as claims 20-24.

As per claim 36, Jappila-Primak teaches the method of claim 33, but does not specifically teach the indication of a method in which resources are shared by a field in the second resource reservation message. It would have been obvious to one of ordinary skill in the art at the time of the invention to include a field to show how resources are being shared to allow for greater user-friendliness such that it can easily be seen the sharing methods, and the user thus would have a better idea of what to do in case of a change being necessary, because of the additional information.

As per claim 39, Jappila-Primak teaches the method of claim 33, further comprising: carrying voice information in the first data flow (Jappila: section 1).

As per claim 40, Jappila-Primak teaches the method of claim 33, further comprising: originating the first data flow and the second data flow from a single sourcing entity (Jappila: section 1).

As per claim 41, Jappila-Primak teaches the method of claim 33, further comprising originating the first data flow and the second data flow from a single sourcing entity; and directing the first data flow and the second data flow to two or more different destination entities (Jappila: section 1.4).

As per claim 42, Jappila-Primak teaches the method of claim 33, further comprising: carrying voice information in the first data flow and in the second data flow, and the first data flow and the second data flow corresponding to a call waiting context (Jappila: section 1; Primak: column 3, lines 2-5; 15-30; column 8, lines 24-47).

As per claim 43, Jappila-Primak teaches the method of claim 33, further comprising: adapting a resource reservation engine, in response to a request to reserve resources for the first data flow that specifies sharing and a set of senders, to direct a traffic scheduler to share resources reserved for a one or more second data flows that are associated with the set of senders with the first data flow, provided that none of the second data flows are sharing resources with a third data flow belonging to a session that is different from the first session (Jappila: section 1; Primak: column 3, lines 2-5; 15-30; column 8, lines 24-47).

As per claim 44, Jappila-Primak teaches the method of claim 43, further comprising: wherein the set of senders is an explicit list of senders included in the request (Jappila: section 3).

As per claim 45, Jappila-Primak teaches the method of claim 33, further comprising: utilizing RSVP by a resource reservation engine; and including in the request a shared object that specifies the Shared Explicit style of sharing (Jappila: section 3).

As per claim 46, Jappila-Primak teaches the method of claim 33, further comprising: including in a set of senders those senders associated with data flows whose destination address matches a destination address of the first data flow (Jappila: section 3).

As per claim 47, Jappila-Primak teaches the method of claim 33, further comprising: utilizing RSVP by a resource reservation engine; and including in the request a shared object that specifies the Wildcard Filter style of sharing (Jappila: section 3).

Claims 48-77 are rejected on the same bases as claims 33-47.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tanim Hossain whose telephone number is 571/272-3881. The examiner can normally be reached on 8:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571/272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tanim Hossain
Patent Examiner
Art Unit 2145


JASON CARDONE
SUPERVISORY PATENT EXAMINER